

**IFWO** 

RAW SEQUENCE LISTING DATE: 08/30/2004
PATENT APPLICATION: US/10/828,920A TIME: 14:53:30

Input Set : A:\66821-281

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5 <110> APPLICANT: Reed, John C.
 7 <120> TITLE OF INVENTION: Novel Card Proteins Involved in Cell Death Regulation
 9 <130> FILE REFERENCE: P-LJ 3650
11 <140> CURRENT APPLICATION NUMBER: 10/828,920A
12 <141> CURRENT FILING DATE: 2004-04-20
14 <150> PRIOR APPLICATION NUMBER: 09/388,221
15 <151> PRIOR FILING DATE: 1999-09-01
17 <160> NUMBER OF SEQ ID NOS: 30
19 <170> SOFTWARE: PatentIn Ver. 2.0
22 <210> SEQ ID NO: 1
24 <211> LENGTH: 4422
26 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
34 <221> NAME/KEY: CDS
36 <222> LOCATION: (1)..(4422)
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50 aag aag gag gag ctg aag gag ttc cag ctt ctg ctc gcc aat aaa gcg
52 Lys Lys Glu Glu Leu Lys Glu Phe Gln Leu Leu Leu Ala Asn Lys Ala
                20
58 cac tee agg age tet teg ggt gag aca eee get eag eea gag aag aeg
60 His Ser Arg Ser Ser Ser Gly Glu Thr Pro Ala Gln Pro Glu Lys Thr
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66 agt ggc atg gag gtg gcc tcg tac ctg gtg gct cag tat ggg qag cag
                                                                      192
68 Ser Gly Met Glu Val Ala Ser Tyr Leu Val Ala Gln Tyr Gly Glu Gln
74 cgg gcc tgg gac cta gcc ctc cat acc tgg gag cag atg ggg ctg agg
76 Arg Ala Trp Asp Leu Ala Leu His Thr Trp Glu Gln Met Gly Leu Arg
                        70
82 tca ctg tgc gcc caa gcc cag gaa ggg gca ggc cac tct ccc tca ttc
                                                                      288
84 Ser Leu Cys Ala Gln Ala Gln Glu Gly Ala Gly His Ser Pro Ser Phe
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                                        90
90 ccc tac agc cca agt gaa ccc cac ctg ggg tet ccc agc caa ccc acc
92 Pro Tyr Ser Pro Ser Glu Pro His Leu Gly Ser Pro Ser Gln Pro Thr
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                                   105
98 tcc acc gca gtg cta atg ccc tgg atc cat gaa ttg ccg gcg ggg tgc
100 Ser Thr Ala Val Leu Met Pro Trp Ile His Glu Leu Pro Ala Gly Cys
            115
                                120
106 acc cag ggc tca gag aga agg gtt ttg aga cag ctg cct gac aca tct
108 Thr Gln Gly Ser Glu Arg Arg Val Leu Arg Gln Leu Pro Asp Thr Ser
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Input Set : A:\66821-281

110 130 135 140  114 gga cgc cgc tgg aga gaa atc tct gcc tca ctc ctc tac caa gct ctt  116 Gly Arg Arg Trp Arg Glu Ile Ser Ala Ser Leu Leu Tyr Gln Ala Leu  118 145 150 155 160  122 cca agc tcc cca gac cat gag tct cca agc cag gag tca ccc aac gcc  124 Pro Ser Ser Pro Asp His Glu Ser Pro Ser Gln Glu Ser Pro Asn Ala  126 165 170 175	480 528 576
116 Gly Arg Arg Trp Arg Glu Ile Ser Ala Ser Leu Leu Tyr Gln Ala Leu 118 145	528
118       145       150       155       160         122       cca agc tcc cca gac cat gag tct cca agc cag gag tca ccc aac gcc         124       Pro Ser Ser Pro Asp His Glu Ser Pro Ser Gln Glu Ser Pro Asn Ala         126       165       170       175	
122 cca agc tcc cca gac cat gag tct cca agc cag gag tca ccc aac gcc 124 Pro Ser Ser Pro Asp His Glu Ser Pro Ser Gln Glu Ser Pro Asn Ala 126 165 170 175	
124 Pro Ser Ser Pro Asp His Glu Ser Pro Ser Gln Glu Ser Pro Asn Ala 126 165 170 175	
126 165 170 175	576
	576
	576
130 ccc aca tcc aca gca gtg ctg ggg agc tgg gga tcc cca cct cag ccc	
132 Pro Thr Ser Thr Ala Val Leu Gly Ser Trp Gly Ser Pro Pro Gln Pro	
134 180 185 190	604
138 agc cta gca ccc aga gag cag gag gct cct ggg acc caa tgg cct ctg 140 Ser Leu Ala Pro Arg Glu Gln Glu Ala Pro Gly Thr Gln Trp Pro Leu	624
142 : 195 200 205 146 gat gaa acg tca gga att tac tac aca gaa atc aga gaa aga gag aga	C72
148 Asp Glu Thr Ser Gly Ile Tyr Tyr Thr Glu Ile Arg Glu Arg Glu Arg	672
150 210 215 220	
154 gag aaa tca gag aaa ggc agg ccc cca tgg gca gcg gtg gta gga acg	720
154 gag dad ted gag dad gge agg tee tea tyg gta geg gtg gta gga aeg 156 Glu Lys Ser Glu Lys Gly Arg Pro Pro Trp Ala Ala Val Val Gly Thr	120
158 225 230 235 240	
162 ccc cca cag gcg cac acc agc cta cag ccc cac cac cac cca tgg gag	768
164 Pro Pro Gln Ala His Thr Ser Leu Gln Pro His His Pro Trp Glu	700
166 245 250 255	
170 cct tct gtg aga gag agc ctc tgt tcc aca tgg ccc tgg aaa aat gag	816
172 Pro Ser Val Arg Glu Ser Leu Cys Ser Thr Trp Pro Trp Lys Asn Glu	010
174 260 265 270	
178 gat ttt aac caa aaa ttc aca cag ctg cta ctt cta caa aga cct cac	864
180 Asp Phe Asn Gln Lys Phe Thr Gln Leu Leu Leu Gln Arg Pro His	
182 275 280 285	
186 ccc aga agc caa gat ccc ctg gtc aag aga agc tgg cct gat tat gtg	912
188 Pro Arg Ser Gln Asp Pro Leu Val Lys Arg Ser Trp Pro Asp Tyr Val	
190 290 295 300	
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196 Glu Glu Asn Arg Gly His Leu Ile Glu Ile Arg Asp Leu Phe Gly Pro	
198 305 310 315 320	
202 ggc ctg gat acc caa gaa cct cgc ata gtc ata ctg cag ggg gct gct	1008
204 Gly Leu Asp Thr Gln Glu Pro Arg Ile Val Ile Leu Gln Gly Ala Ala	
206 325 330 335	
210 gga att ggg aag tca aca ctg gcc agg cag gtg aag gaa gcc tgg ggg	1056
212 Gly Ile Gly Lys Ser Thr Leu Ala Arg Gln Val Lys Glu Ala Trp Gly	
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218 aga ggc cag ctg tat ggg gac cgc ttc cag cat gtc ttc tac ttc agc	1104
220 Arg Gly Gln Leu Tyr Gly Asp Arg Phe Gln His Val Phe Tyr Phe Ser	
222 355 360 365	
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228 Cys Arg Glu Leu Ala Gln Ser Lys Val Val Ser Leu Ala Glu Leu Ile	
230 370 375 380	
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236 Gly Lys Asp Gly Thr Ala Thr Pro Ala Pro Ile Arg Gln Ile Leu Ser	
238 385 390 395 400	

Input Set : A:\66821-281

	agg Arg																1248
246					405					410	_		_		415	_	1006
	tgg														-		1296
252 254	Trp	vai	Leu	420	GIU	Pro	ser	ser	G1u 425	Leu	Cys	Leu	His	Trp 430	Ser	GIn	
258	cca	cag	ccg	gcg	gat	gca	ctg	ctg	ggc	agt	ttg	ctg	ggg	aaa	act	ata	1344
260	Pro	Gln	Pro	Ala	Asp	Ala	Leu	Leu	Gly	Ser	Leu	Leu	Gly	Lys	Thr	Ile	
262			435					440					445				
266	ctt	CCC	gag	gca	tcc	ttc	ctg	atc	acg	gct	cgg	acc	aca	gct	ctg	cag	1392
268	Leu	Pro	Glu	Ala	Ser	Phe	Leu	Ile	Thr	Ala	Arg	Thr	Thr	Ala	Leu	Gln	
270		450					455					460					
	aac					_		_	-			_		_	_		1440
276	Asn	Leu	Ile	Pro	Ser	Leu	Glu	Gln	Ala	Arg	Trp	Val	Glu	Val	Leu	Gly	
	465					470					475					480	
	ttc																1488
	Phe	Ser	Glu	Ser		Arg	Lys	Glu	Tyr		Tyr	Arg	Tyr	Phe		Asp	
286					485					490					495		
	gaa									_	_						1536
292 294	Glu	Arg	GIn	A1a 500	Ile	Arg	Ala	Phe	Arg 505	Leu	Val	Lys	Ser	Asn 510	Lys	Glu	
	ctc																1584
300	Leu	Trp		Leu	Cys	Leu	Val	Pro	Trp	Val	Ser	$\operatorname{Trp}$	Leu	Ala	Cys	Thr	
302			515					520					525				
	tgc																1632
	Cys		Met	Gln	Gln	Met		Arg	Lys	Glu	Lys		Thr	Leu	Thr	Ser	
310		530					535					540					
	aag						_					_	_	_			1680
	Lys	Inr	Thr	Thr	Thr		Cys	Leu	His	Tyr		Ala	GIn	Ala	Leu		
	545	~~~			~~~	550	~~~				555	<b>.</b>				560	1700
	gct	-		_			_		-	_		_		_	_	_	1728
326	Ala	GIII	PLO	neu	565	PIO	GIII	ьеи	Arg	570	neu	Cys	ser	ьеu	575	AIA	
	gag	aac	atc	taa		222	aad	200	ctt		aat	cca	rat	asa		200	1776
	Glu																1770
334	Olu	OLY.	1.10	580	0111	цуы	цу	1111	585	TIIC	DCI	110	тор	590	пси	Arg	
	aag	cat	aaa		gat	aaa	מככ	atc		tcc	acc	ttc	tta		ato	aat	1824
	Lys																1024
342	-1-		595			1		600					605	-1-			
	att	ctt		gag	cac	ccc	atc		cta	agc	tac	agc		att	cac	ctc	1872
	Ile																
350		610					615				-	620		-			
354	tgt	ttc	caa	gag	ttc	ttt		qca	atq	tcc	tat	atc	tta	gag	gat	gag	1920
	Cys																
358	_					630					635				1	640	
362	aag	ggg	aga	ggt	aaa	cat	tct	aat	tgc	atc	ata	gat	ttq	gaa	aaq	acq	1968
	Lys																
366		-	_	=	645				-	650		-			655		
370	cta	gaa	gca	tat	gga	ata	cat	ggc	ctg	ttt	999	gca	tca	acc	aca	ċgt	2016
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/828,920A

DATE: 08/30/2004 TIME: 14:53:30

Input Set : A:\66821-281

372 3 <b>74</b>	Leu	Glu	Ala	Tyr 660	Gly	Ile	His	Gly	Leu 665	Phe	Gly	Ala	Ser	Thr 670	Thr	Arg	
378	ttc	cta	ttg	ggc	ctg	tta	agt	gat	gag	ggg	gag	aga	gag	atg	gag	aac	2064
						Leu											
382			675					680					685	•			
						ctg											2112
	Ile		His	Cys	Arg	Leu		Gln	Gly	Arg	Asn		Met	Gln	$\operatorname{Trp}$	Val	
390		690					695					700					
			_			ctg		_				_					2160
		Ser	Leu	Gln	Leu	Leu	Leu	Gln	Pro	His		Leu	Glu	Ser	Leu		
	705					710					715					720	
						cgg											2208
	Cys	Leu	Tyr	GIu		Arg	Asn	Lys	Thr		Leu	Thr	GIn	Val		Ala	
406					725					730					735		0056
						ggc											2256
414	HIS	PHe	GIU	740	мес	Gly	мес	Cys	745	GIU	Int	Asp	мес	750	ьeu	Leu	
	ata	tac	act	. – -	taa	att	222	++c		aaa	aaa	ata	224		att	ana	2304
						Ile											2304
422	vai	СуБ	755		СуБ	116	цуз	760	DET	Arg	1112	vai	765	цуз	пец	GIII	
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	-		-			Gln		_				-			_	_	2332
430	200	770	020	<b>-</b> 1		0111	775	5	001			780					
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						Val		_		_	_			_			
	785			-	-	790				-	795	•	-			800	
442	ttc	tcc	gtc	ctc	aag	gtc	acc	aga	aac	ctg	aag	gag	ctg	gac	cta	agt	2448
444	Phe	Ser	Val	Leu	Lys	Val	Thr	Arg	Asn	Leu	Lys	Glu	Leu	Asp	Leu	Ser	
446					805					810					815		
450	gga	aac	tcg	ctg	agc	cac	tct	gca	gtg	aag	agt	ctt	tgt	aag	acc	ctg	2496
452	Gly	Asn	Ser	Leu	Ser	His	Ser	Ala	Val	Lys	Ser	Leu	Cys	Lys	Thr	Leu	
454				820					825					830			
						ctc											2544
	Arg	Arg		Arg	Cys	Leu	Leu		Thr	Leu	Arg	Leu		Gly	Cys	Gly	
462	4		835					840					845				0500
						tgc											2592
	ьeu		Ата	GIU	Asp	Cys		Asp	Leu	Ата	Pne		Leu	Arg	Ala	Asn	
470	~~~	850	a+~	200	~~~	ata	855	a+~	200	++~	<del>-</del>	860	ata		~~+	~~+	2640
						ctg Leu											2640
478		1111	цец	1111	Giu	870	Asp	Leu	ser	Phe	875	val	Leu	1111	Asp	880	
		acc	222	cac	ctt	tgc	cac	ana	cta	242	-	aaa	200	taa	220		2688
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486	017		_,,		885	Cy D	0111	11129	пси	890	0111	110	OCI	Cyb	895	Lea	
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						Val											2.50
494		J		900				-10	905			~~-		910	-10		
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						Leu											
	-												•			~	

Input Set : A:\66821-281

502 915 920	925
506 ctg cag cag aac aac ctg gat gac gtt ggc	gtg cga ctg ctc tgt gag 2832
508 Leu Gln Gln Asn Asn Leu Asp Asp Val Gly	Val Arg Leu Leu Cys Glu
510 930 935	940
514 ggg ctc agg cat cct gcc tgc aaa ctc ata	
516 Gly Leu Arg His Pro Ala Cys Lys Leu Ile	
518 945 950	955 960
522 aca act ctg agt gat gag atg agg cag gaa	
524 Thr Thr Leu Ser Asp Glu Met Arg Gln Glu	_
526 965 970	975
530 gag aaa cet eag etg ete ate tte age aga	
532 Glu Lys Pro Gln Leu Leu Ile Phe Ser Arg	
534 980 985	990
538 acc cct act gag ggc ctg gat acg gga gag	
540 Thr Pro Thr Glu Gly Leu Asp Thr Gly Glu 542 995 1000	1005
546 tca ctc aag cgg cag aga ctc gga tca gag 548 Ser Leu Lys Arg Gln Arg Leu Gly Ser Glu	33 3 3 3
550 1010 1015	1020
554 gct cag gct aat ctc aaa ctc ctg gac gtg	
556 Ala Gln Ala Asn Leu Lys Leu Leu Asp Val	
	1035 1040
562 gct gag att gca gag gaa agc tcc cca gag	
564 Ala Glu Ile Ala Glu Glu Ser Ser Pro Glu	
566 1045 1050	1055
570 ttg tgc gtg cct tct cct gcc tct caa ggg	. — — — — — — — — — — — — — — — — — — —
570 ttg tgc gtg cct tct cct gcc tct caa ggg 572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly	gac ctg cat acg aag cct 3216
	gac ctg cat acg aag cct 3216
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly	gac ctg cat acg aag cct 3216 Asp Leu His Thr Lys Pro 1070
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065	gac ctg cat acg aag cct 3216 Asp Leu His Thr Lys Pro 1070 acg ggg cct gtg gct act 3264
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065 578 ttg ggg act gac gat gac ttc tgg ggc ccc	gac ctg cat acg aag cct 3216 Asp Leu His Thr Lys Pro 1070 acg ggg cct gtg gct act 3264 Thr Gly Pro Val Ala Thr 1085
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065  578 ttg ggg act gac gat gac ttc tgg ggc ccc 580 Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro 582 1075 1080  586 gag gta gtt gac aaa gaa aag aac ttg tac	gac ctg cat acg aag cct 3216 Asp Leu His Thr Lys Pro 1070 acg ggg cct gtg gct act 3264 Thr Gly Pro Val Ala Thr 1085 cga gtt cac ttc cct gta 3312
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065  578 ttg ggg act gac gat gac ttc tgg ggc ccc 580 Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro 582 1075 1080  586 gag gta gtt gac aaa gaa aag aac ttg tac 588 Glu Val Val Asp Lys Glu Lys Asn Leu Tyr	gac ctg cat acg aag cct 3216 Asp Leu His Thr Lys Pro 1070 acg ggg cct gtg gct act 3264 Thr Gly Pro Val Ala Thr 1085 cga gtt cac ttc cct gta Arg Val His Phe Pro Val
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065  578 ttg ggg act gac gat gac ttc tgg ggc ccc 580 Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro 582 1075 1080  586 gag gta gtt gac aaa gaa aac ttg tac 588 Glu Val Val Asp Lys Glu Lys Asn Leu Tyr 590 1090 1095	gac ctg cat acg aag cct 3216 Asp Leu His Thr Lys Pro 1070 acg ggg cct gtg gct act 3264 Thr Gly Pro Val Ala Thr 1085 cga gtt cac ttc cct gta 3312 Arg Val His Phe Pro Val 1100
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065  578 ttg ggg act gac gat gac ttc tgg ggc ccc 580 Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro 582 1075 1080  586 gag gta gtt gac aaa gaa aac ttg tac 588 Glu Val Val Asp Lys Glu Lys Asn Leu Tyr 590 1090 1095  594 gct ggc tcc tac cgc tgg ccc aac acg ggt	gac ctg cat acg aag cct 3216 Asp Leu His Thr Lys Pro 1070 acg ggg cct gtg gct act 3264 Thr Gly Pro Val Ala Thr 1085 cga gtt cac ttc cct gta 3312 Arg Val His Phe Pro Val 1100 ctc tgc ttt gtg atg aga 3360
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065  578 ttg ggg act gac gat gac ttc tgg ggc ccc 580 Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro 582 1075 1080  586 gag gta gtt gac aaa gaa aac ttg tac 588 Glu Val Val Asp Lys Glu Lys Asn Leu Tyr 590 1090 1095  594 gct ggc tcc tac cgc tgg ccc aac acg ggt 596 Ala Gly Ser Tyr Arg Trp Pro Asn Thr Gly	gac ctg cat acg aag cct 3216 Asp Leu His Thr Lys Pro 1070 acg ggg cct gtg gct act 3264 Thr Gly Pro Val Ala Thr 1085 cga gtt cac ttc cct gta 3312 Arg Val His Phe Pro Val 1100 ctc tgc ttt gtg atg aga 3360 Leu Cys Phe Val Met Arg
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065  578 ttg ggg act gac gat gac ttc tgg ggc ccc 580 Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro 582 1075 1080  586 gag gta gtt gac aaa gaa aag aac ttg tac 588 Glu Val Val Asp Lys Glu Lys Asn Leu Tyr 590 1090 1095  594 gct ggc tcc tac cgc tgg ccc aac acg ggt 596 Ala Gly Ser Tyr Arg Trp Pro Asn Thr Gly 598 1105 1110	gac ctg cat acg aag cct Asp Leu His Thr Lys Pro  1070 acg ggg cct gtg gct act Thr Gly Pro Val Ala Thr  1085 cga gtt cac ttc cct gta Arg Val His Phe Pro Val  1100 ctc tgc ttt gtg atg aga Leu Cys Phe Val Met Arg
572 Leu Cys Val Pro Ser Pro Ala Ser Gln Gly 574 1060 1065  578 ttg ggg act gac gat gac ttc tgg ggc ccc 580 Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro 582 1075 1080  586 gag gta gtt gac aaa gaa aag aac ttg tac 588 Glu Val Val Asp Lys Glu Lys Asn Leu Tyr 590 1090 1095  594 gct ggc tcc tac cgc tgg ccc aac acg ggt 596 Ala Gly Ser Tyr Arg Trp Pro Asn Thr Gly 598 1105 1110  602 gaa gcg gtg acc gtt gag att gaa ttc tgt	gac ctg cat acg aag cct Asp Leu His Thr Lys Pro  1070 acg ggg cct gtg gct act Thr Gly Pro Val Ala Thr  1085 cga gtt cac ttc cct gta Arg Val His Phe Pro Val  1100 ctc tgc ttt gtg atg aga Leu Cys Phe Val Met Arg 1115 gtg tgg gac cag ttc ctg 3216 3216 3264 3364 3360 460 3360 3360 3360 3360 336
572       Leu Cys Val Pro Ser Pro Ala Ser Gln Gly         574       1060       1065         578       ttg ggg act gac gat gac ttc tgg ggc ccc         580       Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro         582       1075       1080         586       gag gta gtt gac aaa gaa aag aac ttg tac         588       Glu Val Val Asp Lys Glu Lys Asn Leu Tyr         590       1090       1095         594       gct ggc tcc tac cgc tgg ccc aac acg ggt         596       Ala Gly Ser Tyr Arg Trp Pro Asn Thr Gly         598       1105       1110         602       gaa gcg gtg acc gtt gag att gaa ttc tgt         604       Glu Ala Val Thr Val Glu Ile Glu Phe Cys	gac ctg cat acg aag cct  Asp Leu His Thr Lys Pro  1070  acg ggg cct gtg gct act  Thr Gly Pro Val Ala Thr  1085  cga gtt cac ttc cct gta  Arg Val His Phe Pro Val  1100  ctc tgc ttt gtg atg aga  Leu Cys Phe Val Met Arg  1115  gtg tgg gac cag ttc ctg  Val Trp Asp Gln Phe Leu  3216  3216  3264  3360  3360  3360  3360  3360  3360  3408
572       Leu Cys Val Pro Ser Pro Ala Ser Gln Gly         574       1060       1065         578       ttg ggg act gac gat gac ttc tgg ggc ccc         580       Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro         582       1075       1080         586       gag gta gtt gac aaa gaa aag aac ttg tac         588       Glu Val Val Asp Lys Glu Lys Asn Leu Tyr         590       1090       1095         594       gct ggc tcc tac cgc tgg ccc aac acg ggt         596       Ala Gly Ser Tyr Arg Trp Pro Asn Thr Gly         598       1105       1110         602       gaa gcg gtg acc gtt gag att gaa ttc tgt         604       Glu Ala Val Thr Val Glu Ile Glu Phe Cys         606       1125       1130	gac ctg cat acg aag cct  Asp Leu His Thr Lys Pro  1070  acg ggg cct gtg gct act  Thr Gly Pro Val Ala Thr  1085  cga gtt cac ttc cct gta  Arg Val His Phe Pro Val  1100  ctc tgc ttt gtg atg aga  Leu Cys Phe Val Met Arg  1115  gtg tgg gac cag ttc ctg  Val Trp Asp Gln Phe Leu  1135
572       Leu Cys Val Pro Ser Pro Ala Ser Gln Gly         574       1060       1065         578       ttg ggg act gac gat gac ttc tgg ggc ccc         580       Leu Gly Thr Asp Asp Asp Phe Trp Gly Pro         582       1075       1080         586       gag gta gtt gac aaa gaa aag aac ttg tac         588       Glu Val Val Asp Lys Glu Lys Asn Leu Tyr         590       1090       1095         594       gct ggc tcc tac cgc tgg ccc aac acg ggt         596       Ala Gly Ser Tyr Arg Trp Pro Asn Thr Gly         598       1105       1110         602       gaa gcg gtg acc gtt gag att gaa ttc tgt         604       Glu Ala Val Thr Val Glu Ile Glu Phe Cys         606       1125       1130         610       ggt gag atc aac cca cag cac agc tgg atg	gac ctg cat acg aag cct  Asp Leu His Thr Lys Pro  1070  acg ggg cct gtg gct act  Thr Gly Pro Val Ala Thr  1085  cga gtt cac ttc cct gta  Arg Val His Phe Pro Val  1100  ctc tgc ttt gtg atg aga  Leu Cys Phe Val Met Arg  1115  gtg tgg gac cag ttc ctg  Val Trp Asp Gln Phe Leu  1135  gtg gca ggg cct ctg ctg  3216  3216  3264  3360  3312  3360  408  408  408  408  408  408  408  4
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DATE: 08/30/2004 TIME: 14:53:31

Input Set : A:\66821-281

Output Set: N:\CRF4\08302004\J828920A.raw

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VERIFICATION SUMMARY

DATE: 08/30/2004

PATENT APPLICATION: US/10/828,920A

TIME: 14:53:31

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